



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera

Kolbe & Kolbe Millwork Company
1211 Depot Street
Manawa, WI 54949

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "V707 DH Tilt" White PVC Double Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. 08-00970, titled "V707 White PVC Tilt Double Hung Window 52" x 75", sheets 1 thru 5 of 5, dated 03/23/10, with revision A dated 10/11/10, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 10-0603.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
7/18/12

NOA No. 12-0620.04
Expiration Date: October 30, 2013
Approval Date: July 26, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-00970**, titled: V707 White PVC Tilt Double Hung Window - 52" x 75", Sheets 1 through 5 of 5, dated 03/23/10, with revision A dated 10/11/10, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

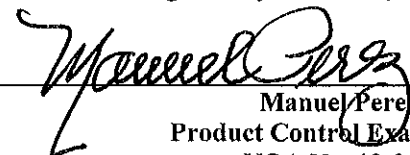
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of a series V707one-over-one tilt double hung vinyl window measuring 52" x 75", prepared by National Certified Testing Laboratories, Test Report No. **NCTL-110-12734-3**, dated 04/18/07 and revised on 07/22/08, signed and sealed by Harold E. Rupp, P.E.
(Submitted under previous NOA# 10-0603.01)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of a series V707DH Tilt White PVC Double Hung Window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-110-10633-3**, dated 09/12/06, signed and sealed by Harold E. Rupp, P.E.
(Submitted under previous NOA# 08-0324.20)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 03/23/10, prepared, signed and sealed by Luis R. Lomas, P.E.
(Submitted under previous NOA# 10-0603.01)
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)



Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0620.04

Expiration Date: October 30, 2013

Approval Date: July 26, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

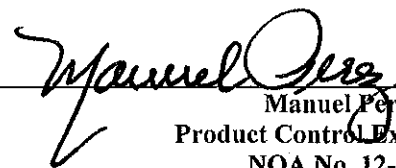
1. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their **"DuPont Butacite® PVB Interlayer"** dated 09/08/11, expiring on 12/11/16.
2. Notice of Acceptance No. **08-0620.09**, issued to **Thermoplast**, for their **White Rigid PVC Exterior Extrusions**, approved on 08/07/08, expiring on 07/05/12.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated May 24, 2012, signed and sealed by Luis R. Lomas, P.E.

G. OTHERS

1. Notice of Acceptance No. **10-0603.01**, issued to Kolbe & Kolbe Millwork Company for their Series **"V707 DH Tilt"** White PVC Double Hung Window – L.M.I., approved on 12/09/10 and expiring on 10/30/13.



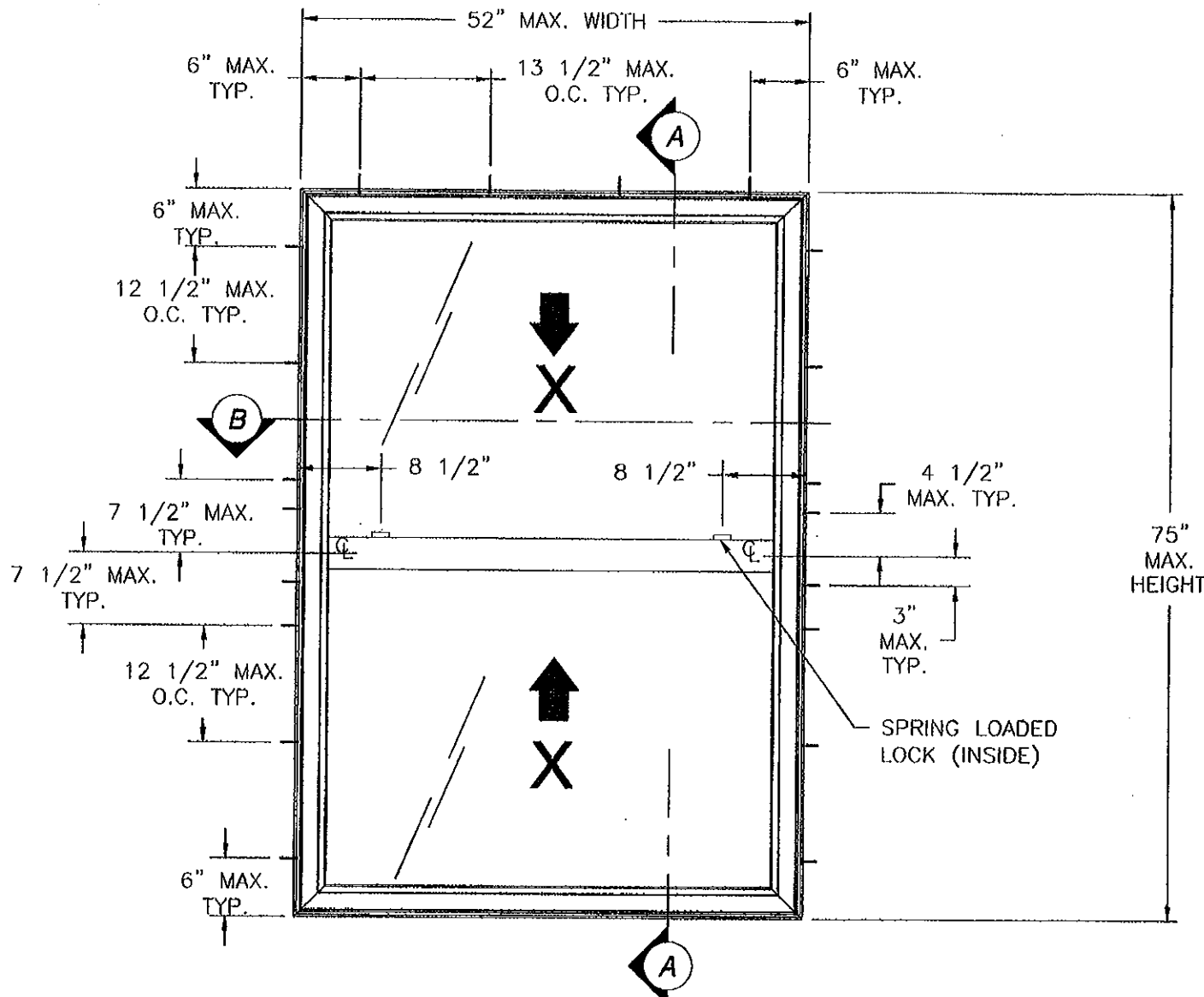
Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0620.04

Expiration Date: October 30, 2013

Approval Date: July 26, 2012

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	10/11/10	R.L.

- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
 - 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
 - 3) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
 - 4) FRAME AND SASH MATERIAL: EXTRUDED RIGID PVC .069" THICK.
 - 5) UNITS MUST BE GLAZED WITH 7/8" IGU CONSISTING OF: 1/8" ANNEALED INTERIOR PANEL - AIR - LAMINATED EXTERIOR PANEL CONSISTING OF 1/8" ANN - .090 BUTACITE PVB BY DUPONT - 1/8" ANN PER ASTM E1300.
 - 6) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
 - 7) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
 - 8) FOR ANCHORING INTO MASONRY USE 3/16" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 - 9) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 - 10) ALL FASTENERS TO BE CORROSION RESISTANT.
 - 11) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 12) MAXIMUM TOP SASH SIZE: 48 1/8" x 36 9/16"
 MAXIMUM TOP SASH D.L.O.: 45 5/16" x 33 9/16"
 MAXIMUM BOTTOM SASH SIZE: 49 1/4" x 36 5/8"
 MAXIMUM BOTTOM SASH D.L.O.: 46 7/16" x 33 5/8"
 - 13) WHITE PVC TO BE LABELED WITH AAMA CERTIFICATION LABEL, EXTRUDER NAME, CODE CITY AND "MDCA".



V707 PVC TILT DOUBLE HUNG - IMPACT
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±70PSF	LARGE AND SMALL MISSILE IMPACT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0620.04
Expiration Date OCT. 30, 2013
By *Mamuel Perez*
Miami Dade Product Control

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION AND GENERAL NOTES
2	CROSS SECTIONS AND B.O.M.
3 - 4	INSTALLATION DETAILS
5	COMPONENTS AND CORNER CONSTRUCTION DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0620.01
Expiration Date OCT. 30, 2013
By *Mamuel Perez*
Miami Dade Product Control
Division

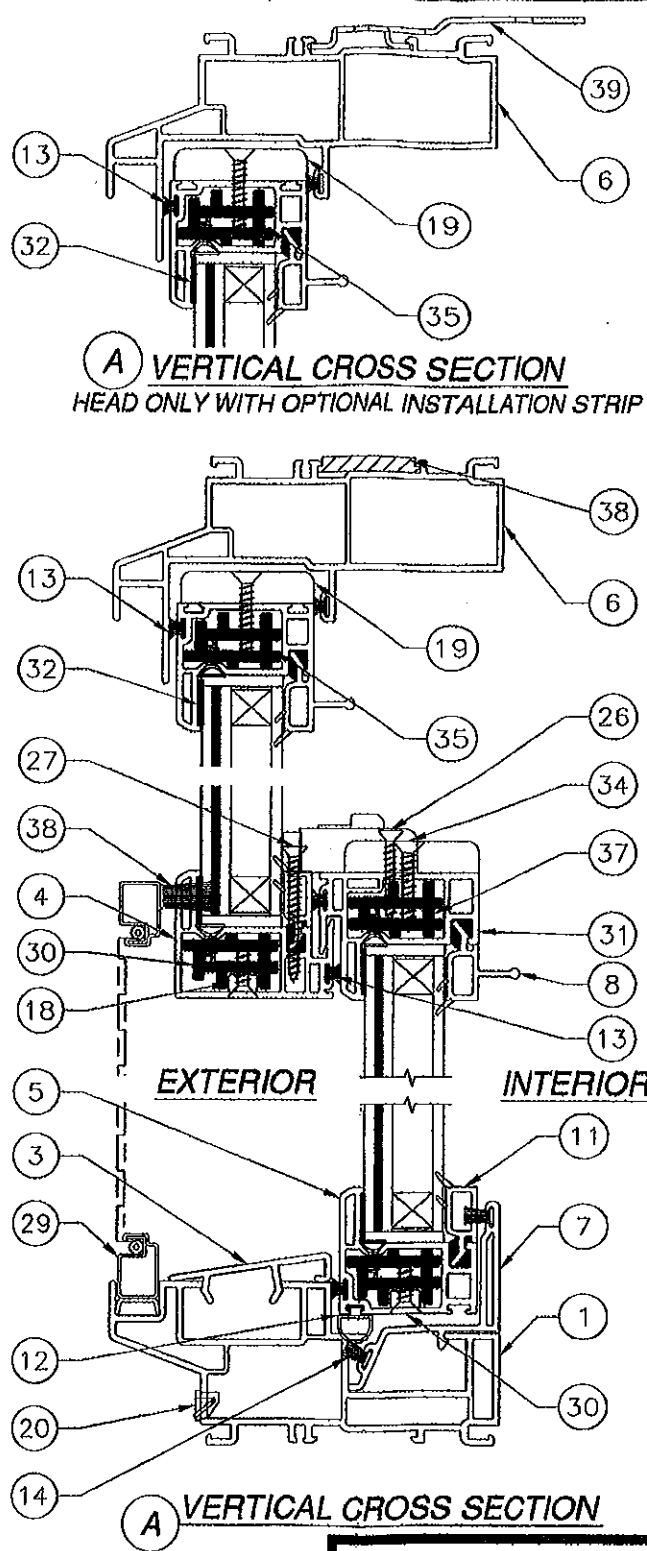
KOLBE & KOLBE MILLWORK
1211 DEPOT ST.
MANAWA, WI 54949

V707 WHITE PVC TILT DOUBLE HUNG WINDOW
52" x 75"
ELEVATION, ANCHORING LAYOUT AND NOTES

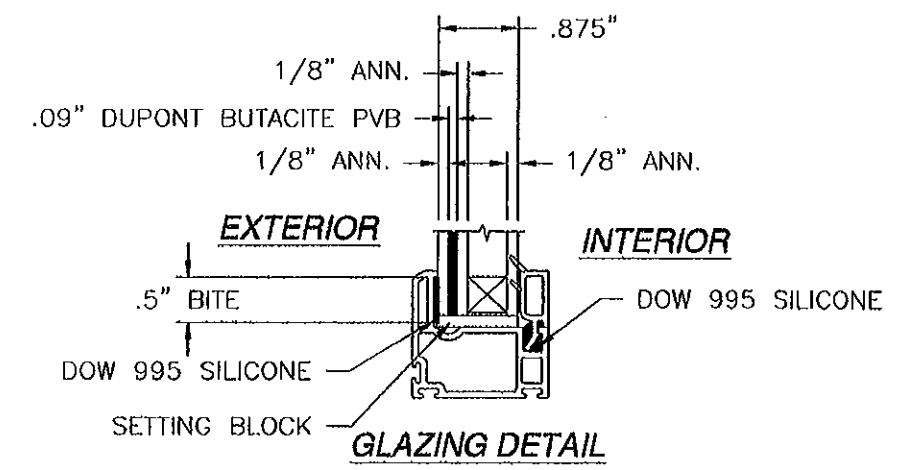
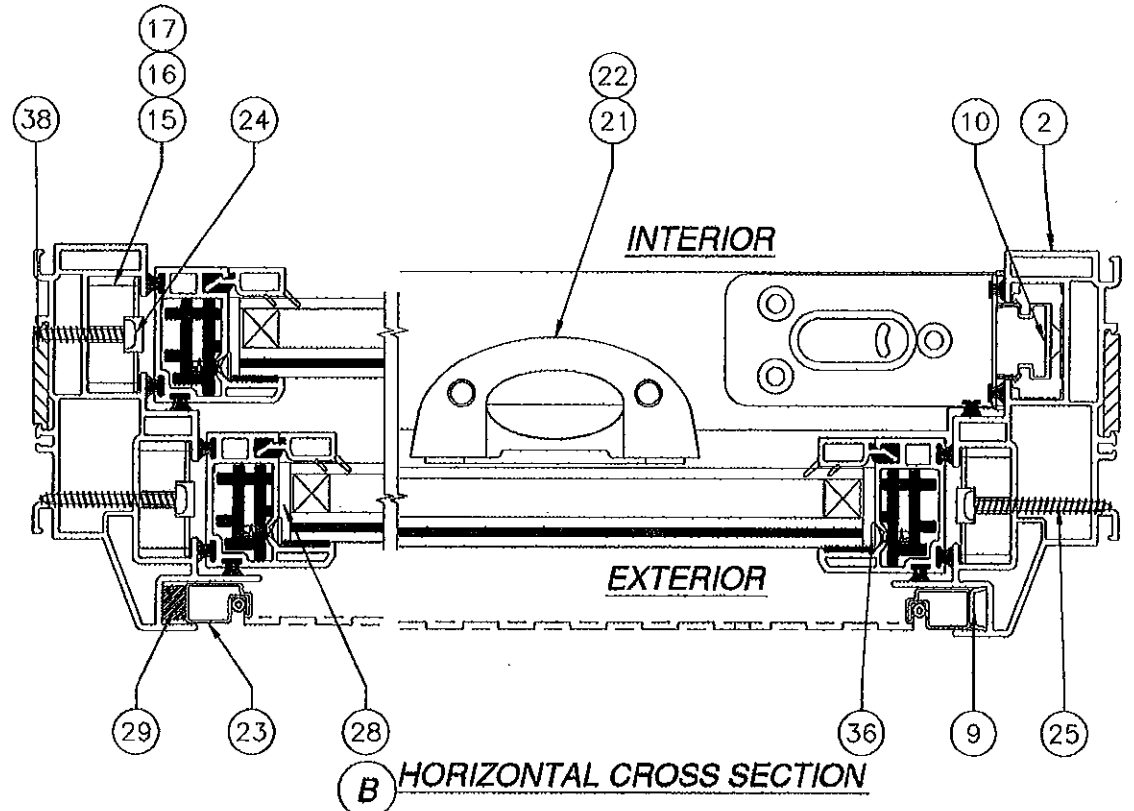
DRAWN: TJH	DWG NO. 08-00970	REV A
SCALE NTS	DATE 03/23/10	SHEET 1 OF 5

Luis R. Lomas
10/11/10
Luis R. Lomas P.E.
Florida No. 62514

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	4005	SILL FRAME	THERMOPLAST INC	WHITE PVC
2	4006	JAMB FRAME	THERMOPLAST INC	WHITE PVC
3	4012	EXTERIOR SILL	THERMOPLAST INC	WHITE PVC
4	4080A	OUTSIDE SASH INTERLOCK	THERMOPLAST INC	WHITE PVC
6	4027A	SASH FRAME	THERMOPLAST INC	WHITE PVC
6	4011	HEAD	THERMOPLAST INC	WHITE PVC
7	4219	SILL ADAPTER	THERMOPLAST INC	WHITE PVC
8	4022	7/8" GLAZING BEAD	THERMOPLAST INC	WHITE PVC
9	4030	SCREEN SPACER		
10	4010	SASH STOP	THERMOPLAST INC	WHITE PVC
11	4013	7/8" GLAZING BEAD	THERMOPLAST INC	WHITE PVC
12	LDB-100109T	WHEATHERSTRIP	SCHLEGEL	
13	HF-7320-187	WHEATHERSTRIP	SCHLEGEL	
14	PB-8830-187	WHEATHERSTRIP	SCHLEGEL	
15	0901012345	BALANCE	FERCO	
16	090151	BALANCE SUPPORT	FERCO	
17	090155	TILT SHOE	FERCO	
18	M090161	PIVOT	FERCO	
19	808-0018	TILT LATCH		
20	97-03-00-00	VALVE	GEARMOLD	
21	SL047500	LOCK	ROTO	
22	SL047550	KEEPER	ROTO	
23		7/16" SCREEN FRAME		
24		BALANCE SCREWS PH #8 X 1"		
25		BALANCE SCREWS PH #8 X 1 1/2"		
26		LOCK SCREWS FH #6 X 1"		
27		KEEPER SCREWS FH #6 X 1 1/2"		
28		SETTING BLOCK 7/8" X 1" X 1/8"		80 DUROMETER
29		SCREEN SPRING		
30		PIVOT SCREWS FH #8 X 1/2"		
31	4084A	INSIDE SASH INTERLOCK	THERMOPLAST	WHITE PVC
32	995	STRUCTURAL SEALANT	DOW CORNING	
33		RECEPTABLE SCREWS FH #10 X 2"		
34		TILT LATCH SCREWS FH #8 X 1"		
35	A110-02M095	SASH REINFORCEMENT	EXTRUDEX	ALUMINUM 6063-T5
36		REINFORCEMENT SCREWS #8 X 1/2"		SST.
37	A111-02M096	MEETING RAIL REINFORCEMENT	EXTRUDEX	ALUMINUM 6063-T5
38		RIGID FILLER	KOLBE & KOLBE	RIGID PVC
39	4560	OPTIONAL INSTALLATION STRIP		STEEL G60



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	10/11/10	R.L.

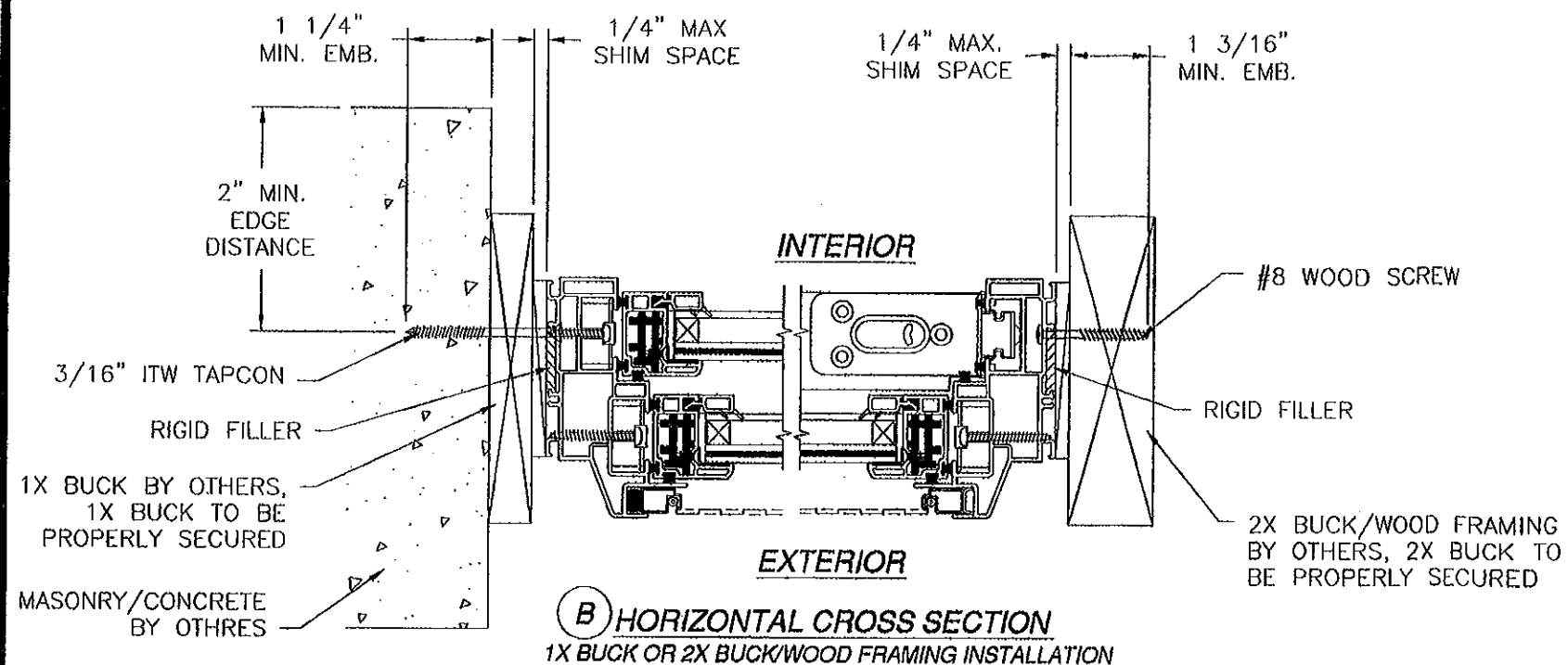


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0620.04
Expiration Date Oct. 30, 2013
By *Manuel Perry*
Miami Dade Product Control

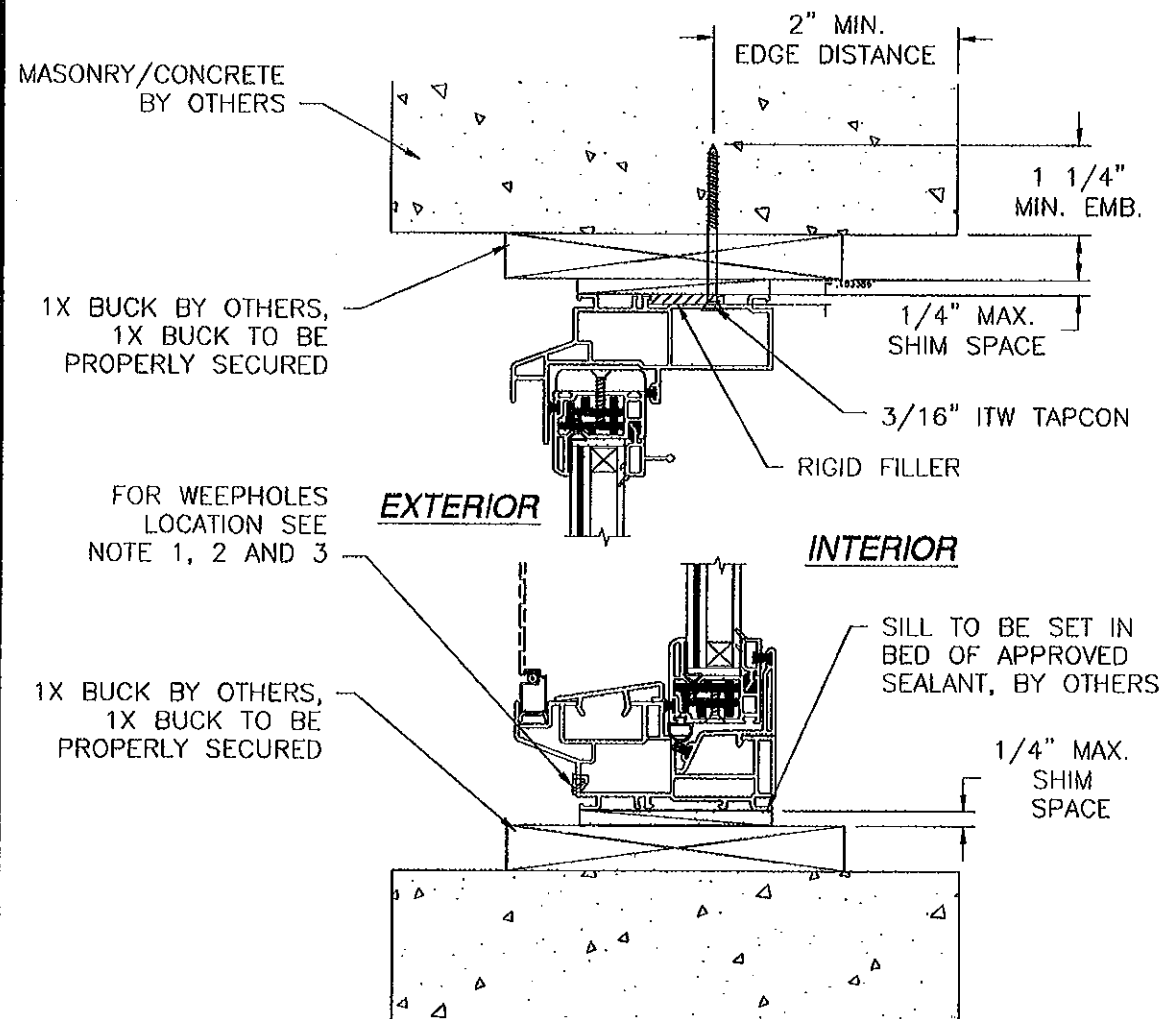
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-0603.01
Expiration Date Oct. 30, 2013
By *Manuel Perry*
Miami Dade Product Control

KOLBE & KOLBE MILLWORK		
1211 DEPOT ST. MANAWA, WI 54949		
V707 WHITE PVC TILT DOUBLE HUNG WINDOW 52" x 75"		
BILL OF MATERIALS AND CROSS SECTIONS		
DRAWN: TJH	DWG NO. 08-00970	REV A
SCALE NTS	DATE 03/23/10	SHEET 2 OF 5

Luis R. Lomas
10/11/10
Luis R. Lomas, P.E.
Florida No. 62514



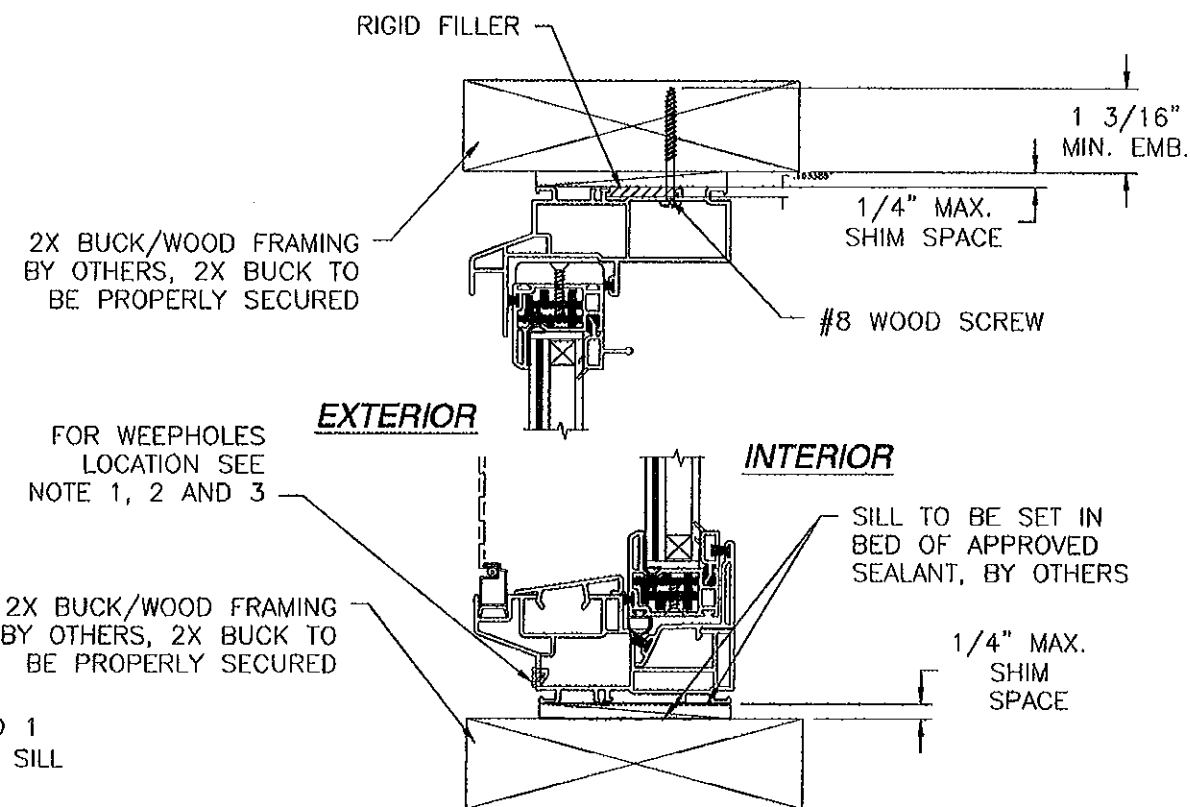
(B) HORIZONTAL CROSS SECTION
1X BUCK OR 2X BUCK/WOOD FRAMING INSTALLATION



(A) VERTICAL CROSS SECTION
1X BUCK INSTALLATION

NOTES:

- 1) 3/4" X 1/4" WEEP HOLES LOCATED 1 1/2" FROM EACH END OF INTERIOR SILL TRACK AND 2" FROM EACH END OF EXTERIOR SILL TRACK.
- 2) 5/8" X 1/8" WEEP HOLES LOCATED 3 1/4" FROM EACH END OF SCREEN RETAINER AND 3" FROM EACH END OF EXTERIOR MEETING RAIL AND BOTTOM RAIL.
- 3) 1" X 1/4" WEEP HOLE WITH WEEP COVER LOCATED 4 1/4" FROM EACH END OF EXTERIOR SILL FACE.



(A) VERTICAL CROSS SECTION
2X BUCK/WOOD FRAMING INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	10/11/10	R.L.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0620-04
Expiration Date Oct 30, 2013
By *Marcus Perez*
Miami/Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 10-0603-01
Expiration Date Oct 30, 2013
By *Marcus Perez*
Miami/Dade Product Control
Division

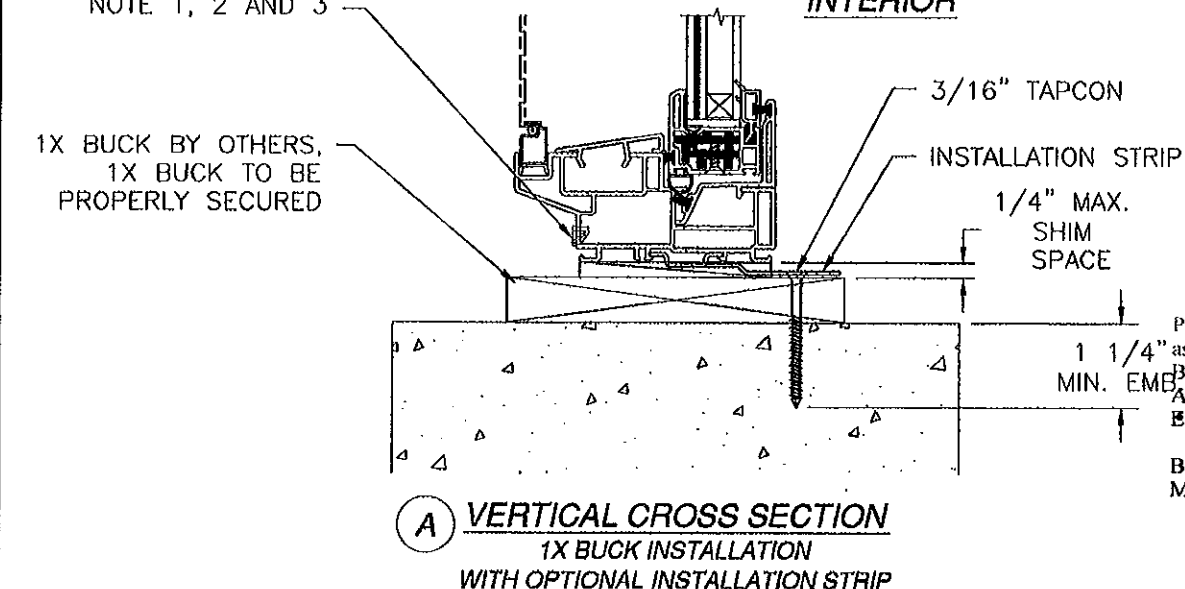
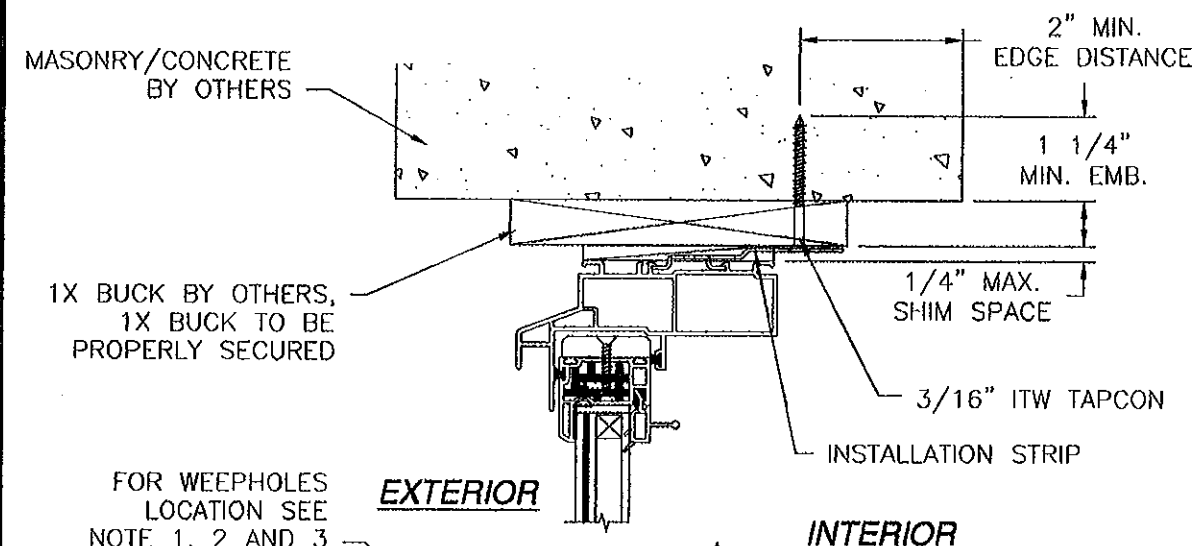
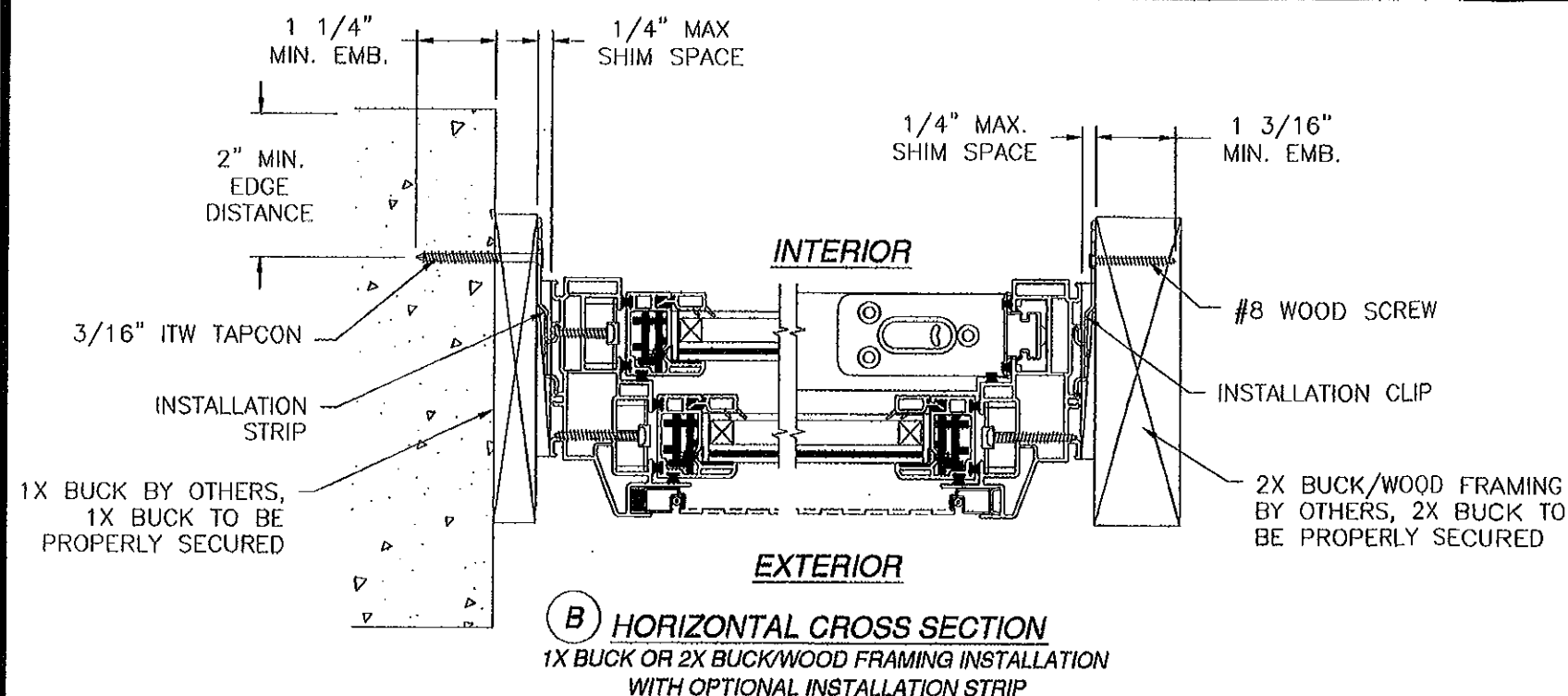
KOLBE & KOLBE MILLWORK
1211 DEPOT ST.
MANAWA, WI 54949

V707 WHITE PVC TILT DOUBLE HUNG WINDOW
52" x 75"
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00970	REV A
SCALE NTS	DATE 03/23/10	SHEET 3 OF 5

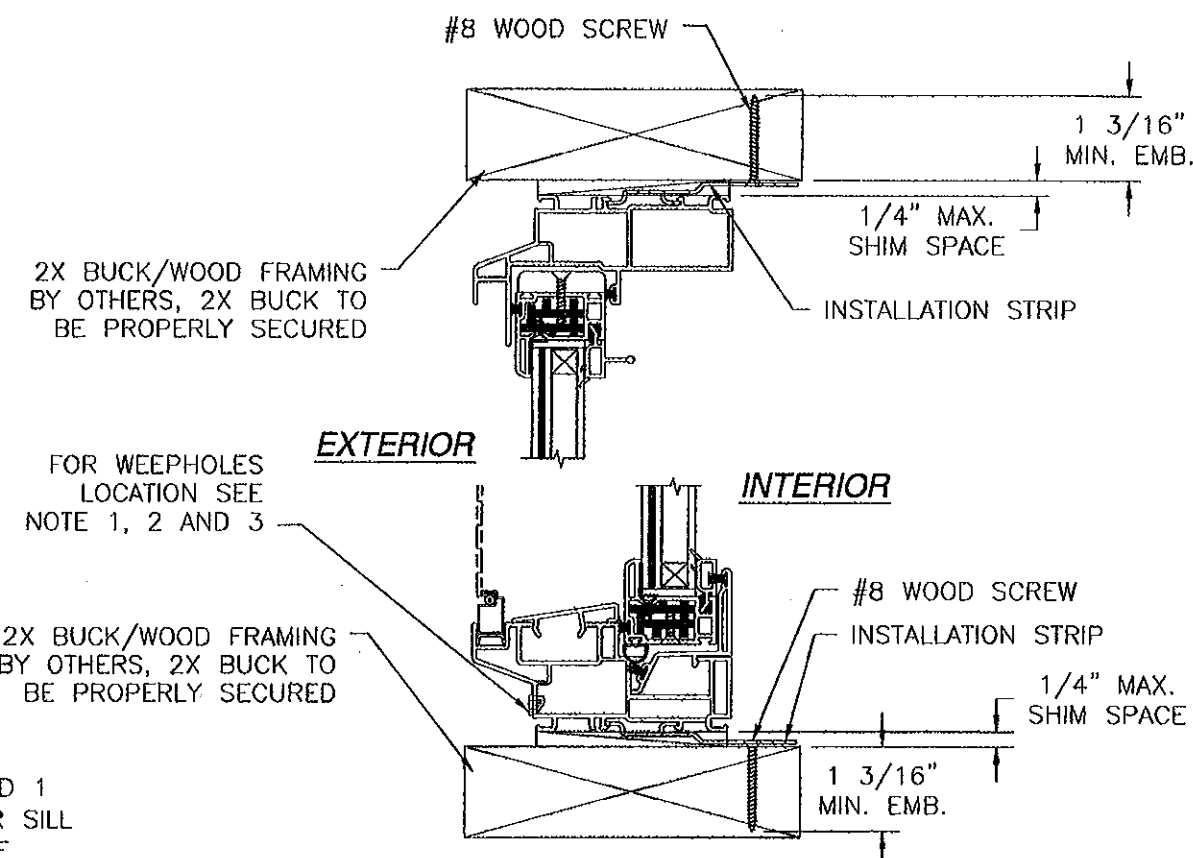
Luis R. Lomas
10/11/10
Luis R. Lomas, P.E.
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	10/11/10	R.L.



NOTES:

- 1) 3/4" x 1/4" WEEP HOLES LOCATED 1 1/2" FROM EACH END OF INTERIOR SILL TRACK AND 2" FROM EACH END OF EXTERIOR SILL TRACK.
- 2) 5/8" x 1/8" WEEP HOLES LOCATED 3 1/4" FROM EACH END OF SCREEN RETAINER AND 3" FROM EACH END OF EXTERIOR MEETING RAIL AND BOTTOM RAIL.
- 3) 1" x 1/4" WEEP HOLE WITH WEEP COVER LOCATED 4 1/4" FROM EACH END OF EXTERIOR SILL FACE.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0620.04
Expiration Date 12-30-2013
By *Manuel Perez*
Miami/Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 10-0630.01
Expiration Date 10-30-2013
By *Manuel Perez*
Miami/Dade Product Control
Division

KOLBE & KOLBE MILLWORK

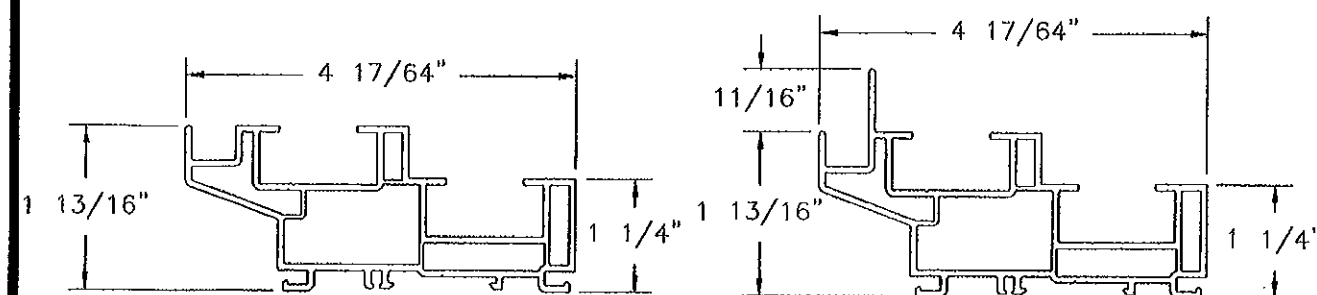
1211 DEPOT ST.
MANAWA, WI 54949

V707 WHITE PVC TILT DOUBLE HUNG WINDOW
52" x 75"
INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00970	REV A
SCALE NTS	DATE 03/23/10	SHEET 4 OF 5

Luis R. Lomas
10/11/10
Luis R. Lomas, P.E.
Florida No. 62514

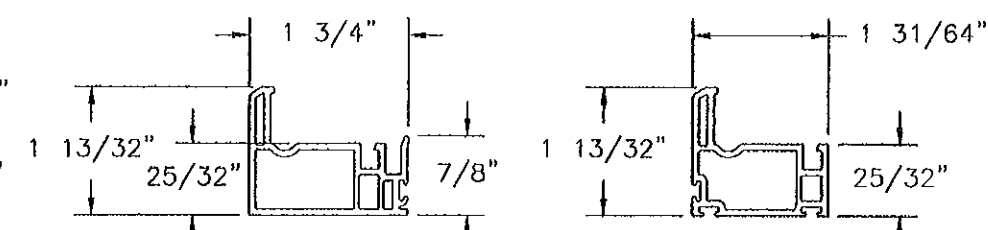
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	10/11/10	R.L.



① **SILL FRAME**
VINYL PVC .069 THICK

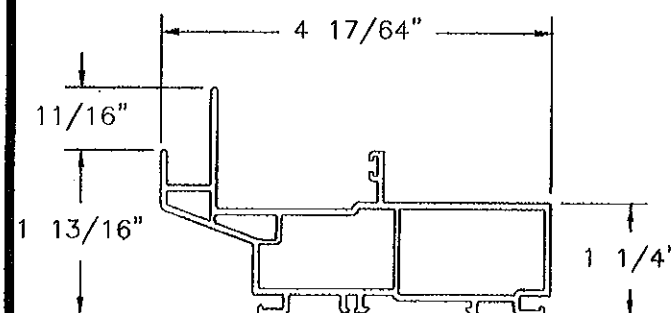
② **JAMB FRAME**
VINYL PVC .069 THICK

③ **EXTERIOR SILL**
VINYL PVC .069 THICK

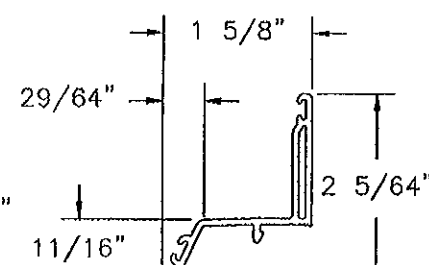


④ **OUTSIDE SASH INTERLOCK**
VINYL PVC .069 THICK

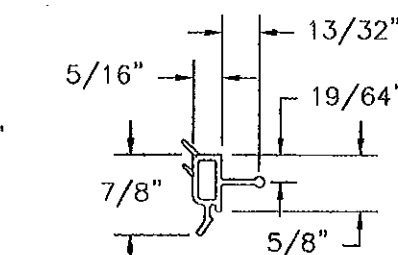
⑤ **SASH FRAME**
VINYL PVC .069 THICK



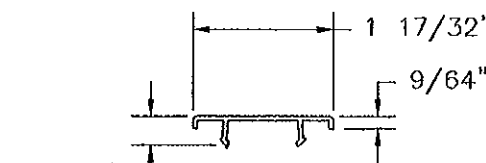
⑥ **HEAD FRAME**
VINYL PVC .069 THICK



⑦ **SILL ADAPTER**
VINYL PVC .069 THICK

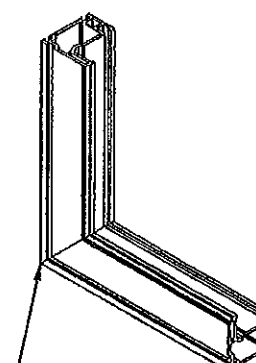


⑧ **7/8" GLAZING BEAD**
VINYL PVC .059 THICK

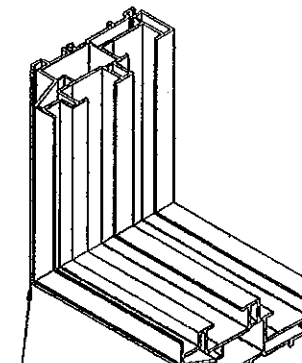


⑩ **SASH STOP**
VINYL PVC .047 THICK

CORNER WELD
(ALL SIDES)

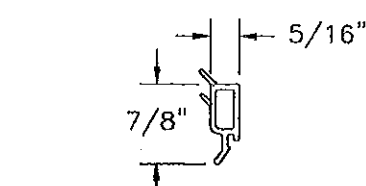


**SASH CORNER
CONSTRUCTION**

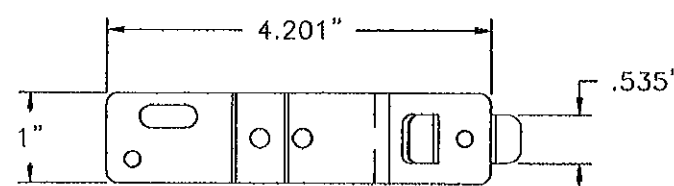


CORNER WELD
(ALL SIDES)

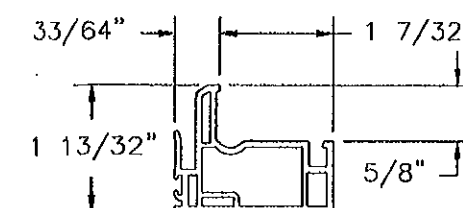
**FRAME CORNER
CONSTRUCTION**



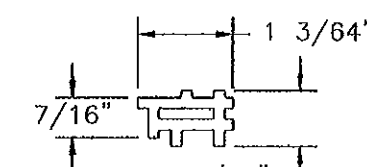
⑪ **7/8" GLAZING BEAD**
VINYL PVC .059 THICK



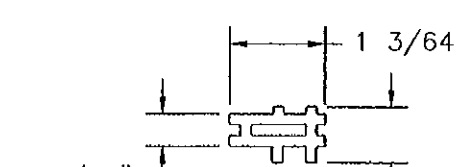
③⑨ **OPTIONAL INSTALLATION STRIP**
GALVANIZED STEEL G60 .059" THICK



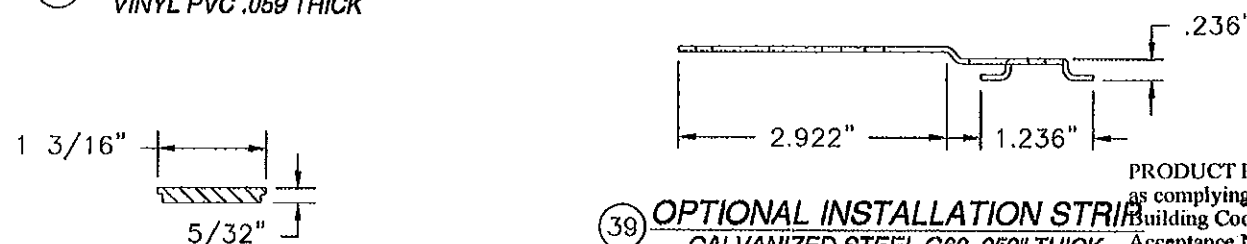
③① **INSIDE SASH INTERLOCK**
VINYL PVC .069 THICK



③⑤ **SASH REINFORCEMENT**
AL 6063-T5 .118 THICK



③⑦ **RAIL REINFORCEMENT**
AL 6063-T5 .118 THICK



③⑧ **RIGID FILLER**
RIGID PVC

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No. 12-0620-04
Expiration Date Oct 30, 2013
By *Manuel Perez*
Miami Dade Product Control
Division

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No. 12-0620-01
Expiration Date Oct 30, 2013
By *Manuel Perez*
Miami Dade Product Control
Division

KOLBE & KOLBE MILLWORK
1211 DEPOT ST.
MANAWA, WI 54949

V707 WHITE PVC TILT DOUBLE HUNG WINDOW
52" x 75"
COMPONENTS AND CORNER CONSTRUCTION DETAILS

DRAWN: TJH
SCALE NTS
DATE 03/23/10
DWG NO. 08-00970
SHEET 5 OF 5
REV A

Luis R. Lomas
10/11/10
Luis R. Lomas, P.E.
Florida No. 82514